

Results of our Flash Design Competition

chess computer is the clear winner

By Harry Baggen

The projects received in response to the Flash Design Competition we ran in the Summer Circuits 2002 issue were generally of a very high level. What's more, nearly all projects were extensively documented. The result: much deliberation among the Jury members, but one clear winner: a chess computer designed by Pedram Azad and Tilo Gockel.

The Winners

First Prize: £300 in cash (approx. €500)

Chess computer 'Deep Evelyn' by Pedram Azad and Tilo Gockel (Germany)

Consolation Prizes: Elektor vouchers worth £60 (approx. €100)

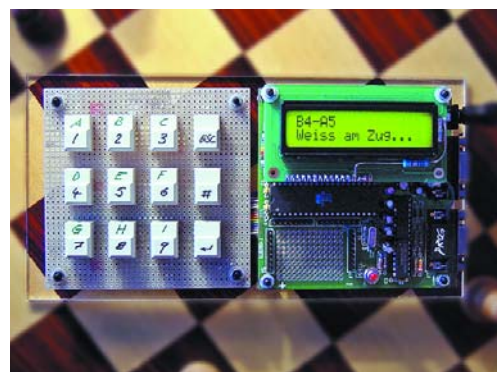
Programmable Switching Clock, by Wilfried Wätzig (Germany)

LED Message Board, also by Wilfried Wätzig (Germany)

Realtime Clock with DCF Synchronisation, by Mark de Martelaar (Belgium)

RGB generator/converter, by Alexander Steiger (Germany)

DALFlash Extension Card, by Alain Desalle (Belgium)



The competition entries proved beyond doubt that *Elektor Electronics* readers are downright power users of the 89S8252 Flash Micro Board published in the December 2001 issue. The proof was in the results of our Flash Design Competition which did not fail to attract a number of well-designed circuits and excellent software. Most participants managed (some in the nick of time) to include extensive descriptions and sometimes even photographs of their projects, all clearly aiming to impress the Jury and provide as much information as possible on the project.

The Jury consisted of the editors of the four (main) language editions in which Elektor is produced (Dutch,

French, English and German), to which was added the head of our in-house design department. After all, an international competition requires an international Jury!

Having scrutinized the competition entries and added up the individual scores given to each project by the Jury members, it became evident that the Jury was unanimous in awarding the First Prize to Pedram Azad and Tilo Gockel of Germany for their Chess Computer design called Deep Evelyn. This computer comprises a Flash board, an LCD, a keyboard and software turning it all into a powerful chess computer. Remarkably, all software is contained in the microcontroller. At this point we should hasten

to add that the designers replaced the original 89S8252 micro with the pin-compatible 89S53 which has more memory (12 kBytes). This was deemed acceptable by the Jury because the hardware change does not require 'major surgery' on the Flash board.

We congratulate the winners with their prize of £300 (approx. €500) in cash and will not fail to prepare the chess computer design for publication in a future issue of *Elektor Electronics*. Unfortunately none of the entries received from readers of the English edition of Elektor made it into the prize region.

Besides the chess computer, several other competition entries were found worthy of publication, so watch the next six or so issues of this magazine for more designs based on the highly popular Flash Micro Board!

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